

WHAT IS CLAIMED IS:

- 1 1. A latch, comprising:
2 a first member operable to be attached to a chassis and defining a slot; and
3 a second member operable to be attached to a sub-assembly that is
4 installable in the chassis, the second member having a lip and operable to rotate to
5 engage the slot with the lip.
- 1 2. The latch of claim 1 wherein the second member defines a hole that is
2 operable to receive a fastener that attaches the second member to the
3 sub-assembly.
- 1 3. The latch of claim 1 wherein the second member defines a hole that is
2 operable to receive a screw that attaches the second member to the sub-assembly.
- 1 4. The latch of claim 1 wherein:
2 the second member defines a hole that is operable to receive a fastener that
3 attaches the second member to the sub-assembly; and
4 the second member is operable to rotate about the fastener.
- 1 5. The latch of claim 1 wherein the second member includes a latch guide
2 that is operable to prevent the second member from rotating beyond a predetermined
3 position by engaging the first member.
- 1 6. The latch of claim 1, further comprising:
2 a guide member operable to be attached to the sub-assembly; and
3 wherein the second member includes a latch guide that is operable to prevent
4 the second member from rotating beyond a predetermined position by engaging the
5 guide member.
- 1 7. The latch of claim 1 wherein:
2 the slot has an edge; and
3 the lip has a notch operable to engage the edge when the lip engages the slot.
- 1 8. A sub-assembly installable in a chassis having a first latch member that
2 defines a slot, the sub-assembly comprising:
3 a side; and

4 a second latch member attached to the side, having a lip, and operable to
5 rotate to engage the slot with the lip.

1 9. The sub-assembly of claim 8, further comprising:
2 wherein the side defines a first hole;
3 wherein the second member defines a second hole; and
4 a screw that extends through the second hole and into the first hole to
5 rotatably attach the second member to the side.

1 10. The sub-assembly of claim 8, further comprising:
2 a guide member attached to a side; and
3 wherein the second member includes a latch guide that is operable to prevent
4 the second member from rotating beyond a predetermined position by engaging the
5 guide member.

1 11. A system, comprising:
2 a chassis having a receptacle;
3 first latch member attached to the chassis adjacent to the receptacle and
4 defining a slot;
5 a sub-assembly disposed in the receptacle; and
6 a second latch member attached to the sub-assembly, having a lip, and
7 operable to rotate to engage the slot with the lip.

1 12. The system of claim 11, further comprising:
2 a first electrical connector attached to the chassis; and
3 a second electrical connector attached to the sub-assembly and operable to
4 mate with the first connector when the lip engages the slot.

1 13. The system of claim 11, further comprising:
2 wherein the sub-assembly defines a first hole;
3 wherein the second latch member defines a second hole;
4 first electrical connector attached to the chassis;
5 a second electrical connector attached to the sub-assembly; and
6 a screw that extends through the second hole and into the first hole and that
7 forces the first connector to mate with the second connector when the screw is
8 tightened and the lip engages the slot.

1 14. The system of claim 11, further comprising:
2 wherein the receptacle has a rear; and
3 a stop disposed in the receptacle and operable to maintain a minimum
4 predetermined distance between the sub-assembly and the rear of the receptacle.

1 15. The system of claim 11, further comprising:
2 wherein the receptacle has a rear; and
3 a stop attached to the sub-assembly and operable to maintain a minimum
4 predetermined distance between the sub-assembly and the rear of the receptacle.

1 16. A method, comprising:
2 inserting a sub-assembly into a chassis; and
3 engaging a lip of a first latch member disposed on the sub-assembly with a
4 slot of a second latch member disposed on the chassis.

1 17. The method of claim 16 wherein inserting the sub-assembly comprises
2 engaging a first electrical connector disposed on the sub-assembly with a second
3 electrical connector disposed on the chassis.

1 18. The method of claim 16, further comprising tightening a screw that
2 attaches the first latch member to the sub-assembly after engaging the lip with the
3 slot.